

Missouri Department of Natural Resources

Total Maximum Daily Load Information Sheet

Pike Creek

Water Body Segment at a Glance:

County: Butler
Nearby Cities: Poplar Bluff
Length of impaired segment: 6 miles
Length of impairment within segment: 1.3 mile
Pollutant: Temperature
Source: Channelization
Water Body ID: 2815



Scheduled for TMDL development: 2012

Description of the Problem

Beneficial uses of Pike Creek

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life
- Protection of Human Health (Fish Consumption)
- Whole Body Contact Recreation
- Irrigation

Use that is impaired

- Protection of Warm Water Aquatic Life

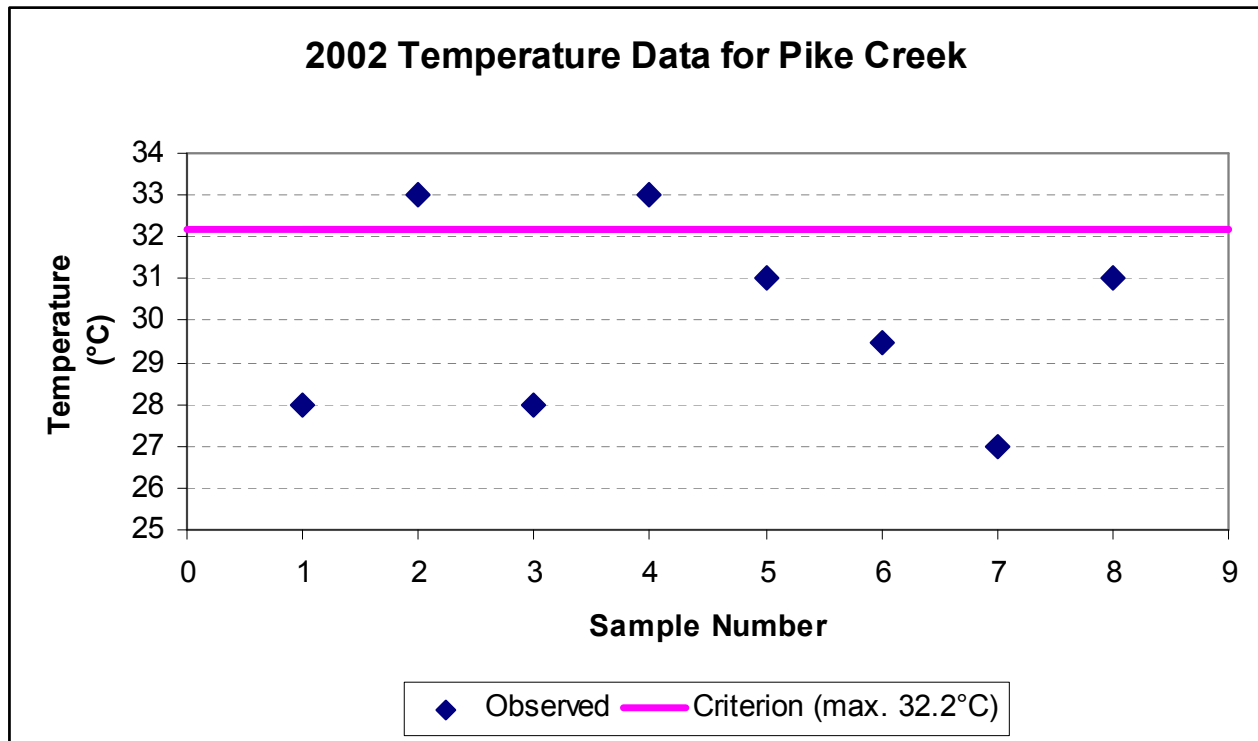
Standards that apply

- The criteria for temperature are found in Missouri's Water Quality Standards found at 10 CSR 20-7.031(4)(D), where it states:
For general and limited warm-water fisheries beyond the mixing zone, water contaminant sources and physical alteration of the water course shall not raise or lower the temperature of a stream more than five degrees Fahrenheit (2 and 7/9 degrees Celsius) or cause or contribute to stream temperature in excess of 90 degrees F (32 2/9 degrees C).

Background information and water quality data

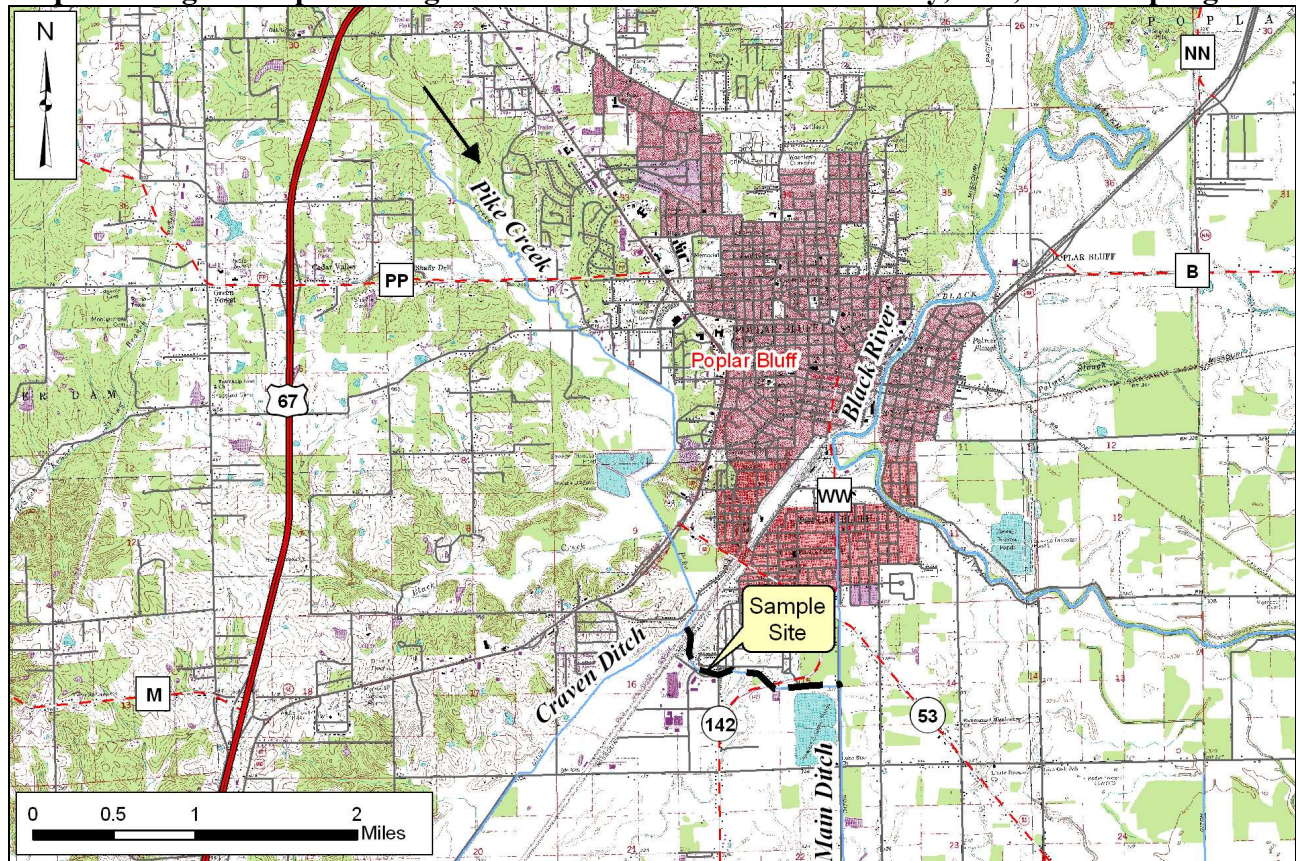
The downstream portion of Pike Creek, west and south of Poplar Bluff, has been channelized (straightened). For water temperature, a water body is judged as impaired if more than ten percent

of the measurements fail to meet the water quality criterion. Data gathered by the department in 2002 showed the temperature exceeded 32.2°C in two of eight samples, or 25.0 percent.



A map of Pike Creek may be found on the next page.

Map Showing the Impaired Segment of Pike Creek in Butler County, Mo., and Sampling Site



--- Impaired Segment

→ Direction of flow

Sample Site

Pike Cr. at Marva Road above Poplar Bluff lagoon

For more information call or write:

Missouri Department of Natural Resources

Water Protection Program

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